

WHAT IS CLAIMED IS

5

1. An integrating document management system comprising:

a plurality of databases;

a plurality of data processing parts provided  
10 for respective ones of said plurality of databases and  
processing data of the databases;

a user interface part providing an interface  
for a user; and

a connecting part for connection between said  
15 user interface part and plurality of data processing  
parts.

20

2. The system claimed in claim 1, wherein  
said user interface part comprises a display part  
displaying data concerning said plurality of databases;  
and an instructing part for the user to give  
25 instructions for processing data of said plurality of

databases.

5

3. The system as claimed in claim 1, wherein the connecting parts corresponding to respective ones of said plurality of databases have a standardized interface against said user interface part.

10

4. The system as claimed in claim 1, wherein  
15 said user interface part performs connection and disconnection of the connecting parts corresponding to respective ones of said plurality of databases.

20

5. The system as claimed in claim 1, wherein  
said user interface part obtains information indicating  
whether or not instructions for manipulating data of the  
25 databases are supported or allowed by said databases

from the corresponding connecting parts.

5

6. The system as claimed in claim 1, wherein said user interface part uses graphic items representing data of the databases.

10

7. The system as claimed in claim 6, wherein said user interface part obtains graphic data used for displaying the graphic items representing data of the databases from the corresponding connecting part.

20

8. An information processing apparatus comprising:

a user interface part providing an interface for a user; and

25 a connecting part for connection between said

user interface part and a plurality of data processing parts provided for respective ones of a plurality of databases and processing data of the databases.

5

9. A computer-readable recording medium having programs recorded therein, said programs causing a computer to function as:

user interface means for providing an interface for a user; and

connecting means for connection between said user interface means and a plurality of data processing means provided for respective ones of a plurality of databases and processing data of the databases.

20

10. The recording medium as claimed in claim 9, wherein said user interface means comprises display means displaying data concerning said plurality of databases; and instructing means for the user to give instructions for processing data of said plurality of

databases.

5

11. The recording medium as claimed in claim  
9, wherein said connecting means corresponding to  
respective ones of said plurality of databases has a  
standardized interface against said user interface means.

10

12. The recording medium as claimed in claim  
15 9, wherein said user interface means performs connection  
and disconnection of the connecting means corresponding  
to respective ones of said plurality of databases.

20

13. The recording medium as claimed in claim  
9, wherein said user interface means obtains information  
indicating whether or not instructions for manipulating  
25 data of the databases are supported or allowed by said

databases from the corresponding connecting means.

5

14. The recording medium as claimed in claim 9, wherein said user interface means uses graphic items representing data of the databases.

10

15. The recording medium as claimed in claim 14, wherein said user interface means obtains graphic data used for displaying the graphic items representing data of the databases from the corresponding connecting means.

20

16. A document management system comprising:  
a managing part managing a plurality of documents each comprising one or a plurality of sections; and

25

a part creating a name of each section of plurality of sections of a document, said name comprising a name of said document.

5

17. The system as claimed in claim 16, further comprising:

10 a specifying part for an operator to specify an index type,

wherein said name creating part creating a name of each section, said name comprising the name of the document and an index having an attribute of order  
15 and of a type specified by said specifying part.

20 18. The system as claimed in claim 16 further comprising:

a selecting part for an operator to select an index type from a list of index types,

wherein said name creating part creating a  
25 name of each section, said name comprising the name of

the document and an index having an attribute of order  
and of a type selected by said selecting part.

5

19. The system as claimed in claim 16,  
further comprising:

a setting part setting instructions for  
10 creating names of sections when documents are coupled,  
wherein said name creating part creates a name  
of each section of plurality of sections of a document,  
said name comprising a name of said document obtained  
from coupling of documents, when the instructions for  
15 creating names of sections when documents are coupled  
are set by said setting part.

20

20. A document management system comprising:  
a managing part managing a plurality of  
documents each comprising one or a plurality of  
sections; and

25 a naming part naming each document obtained



from decomposing a source document using a name of a section of the document obtained from decomposing the source document,

where the name of the section comprises a name  
5 of said source document and an index having an attribute of order.

10

21. A document management system comprising:  
a managing part managing a plurality of documents each comprising one or a plurality of sections; and

15 a searching part searching for documents using a type of index,

where each document has a name comprising an index having an attribute of order.

20

22. The system as claimed in claim 21,  
further comprising:

25 a specifying part for an operator to specify a

name indicating an attribute of document and a type of index,

wherein said searching part performs search in accordance with an item specified through said specifying part.

23. The system as claimed in claim 21, further comprising:

a dividing part dividing a document name into an index and the remainder,

wherein said searching part performs search in accordance with an item obtained from said dividing part.

24. The system as claimed in claim 22, further comprising:

a sorting part sorting names of the documents obtained from said searching part in order of index; and

a coupling part coupling the documents in order of the result obtained from said sorting part.

25. The system as claimed in claim 24,  
further comprising:

a naming part naming the document obtained  
from said coupling part using the remainder of deletion  
5 of the index from a name of a section included in said  
document.

10

26. A document management method comprising  
the steps of:

managing a plurality of documents each  
comprising one or a plurality of sections; and

15 creating a name of each section of plurality  
of sections of a document, said name comprising a name  
of said document.

20

27. The method as claimed in claim 26,  
further comprising the step of:

specifying an index type,

25 wherein said name creating step creating a

name of each section, said name comprising the name of the document and an index having an attribute of order and of a type specified by said specifying step.

5

28. The method as claimed in claim 26 further comprising the step of:

10           selecting an index type from a list of index types,

          wherein said name creating step creating a name of each section, said name comprising the name of the document and an index having an attribute of order  
15   and of a type selected by said selecting step.

20           29. The method as claimed in claim 26, further comprising the step of:

          setting instructions for creating names of sections when documents are coupled,

          wherein said name creating step creates a name  
25   of each section of plurality of sections of a document,

said name comprising a name of said document obtained from coupling of documents, when the instructions for creating names of sections when documents are coupled are set by said setting step.

5

30. A document management method comprising  
10 the steps of:  
managing a plurality of documents each  
comprising one or a plurality of sections; and  
naming each document obtained from decomposing  
a source document using a name of a section of the  
15 document obtained from decomposing the source document,  
where the name of the section comprises a name  
of said source document and an index having an attribute  
of order.

20

31. A document management method comprising  
the steps of:  
25 managing a plurality of documents each

comprising one or a plurality of sections; and  
searching for documents using a type of index,  
where each document has a name comprising an  
index having an attribute of order.

5

32. The method as claimed in claim 31,  
10 further comprising the step of:  
specifying a name indicating an attribute of  
document and a type of index,  
wherein said searching step performs search in  
accordance with an item specified through said  
15 specifying step.

20 33. The method as claimed in claim 31,  
further comprising the step of:  
dividing a document name into an index and the  
remainder,  
wherein said searching step performs search in  
25 accordance with an item obtained from said dividing step.

34. The method as claimed in claim 32,  
further comprising the steps of:

sorting names of the documents obtained from  
said searching step in order of index; and

5 coupling the documents in order of the result  
obtained from said sorting step.

10

35. The method as claimed in claim 34,  
further comprising the step of:

naming the document obtained from said  
coupling step using the remainder of deletion of the

15 index from a name of a section included in said document.

20

36. A computer-readable recording medium  
having programs recorded therein, said programs causing  
a computer to function as:

means for managing a plurality of documents  
each comprising one or a plurality of sections; and

25 means for creating a name of each section of

plurality of sections of a document, said name  
comprising a name of said document.

5

37. The recording medium as claimed in claim  
36, further having a program recorded therein, said  
program causing the computer to further function as:

10

means for specifying an index type,

wherein said name creating means creates a  
name of each section, said name comprising the name of  
the document and an index having an attribute of order  
and of a type specified by said specifying means.

15

38. The recording medium as claimed in claim  
20 36 further having a program recorded therein, said  
program causing the computer to further function as:

means for selecting an index type from a list  
of index types,

wherein said name creating means creates a  
25 name of each section, said name comprising the name of



the document and an index having an attribute of order  
and of a type selected by said selecting means.

5

39. The recording medium as claimed in claim  
36, further having a program recorded therein, said  
program causing the computer to further function as:

10 means for setting instructions for creating  
names of sections when documents are coupled,

wherein said name creating means creates a  
name of each section of plurality of sections of a  
document, said name comprising a name of said document  
15 obtained from coupling of documents, when the  
instructions for creating names of sections when  
documents are coupled are set through said setting means.

20

40. A compute-readable recording medium  
having programs recorded therein, said programs causing  
a computer to function as:

25 means for managing a plurality of documents

each comprising one or a plurality of sections; and

means for naming each document obtained from  
decomposing a source document using a name of a section  
of the document obtained from decomposing the source

5 document,

where the name of the section comprises a name  
of said source document and an index having an attribute  
of order.

10

41. A compute-readable recording medium  
having programs recorded therein, said programs causing  
15 a computer to function as:

means for managing a plurality of documents  
each comprising one or a plurality of sections; and

means for searching for documents using a type  
of index,

20 where each document has a name comprising an  
index having an attribute of order.

25

42. The recording medium as claimed in claim 41, further having a program recorded therein, said program causing the computer to further function as:

means for specifying a name indicating an  
5 attribute of document and a type of index,

wherein said searching means performs search in accordance with an item specified through said specifying means.

10

43. The recording medium as claimed in claim 41, further having a program recorded therein, said  
15 program causing the computer to further function as:

means for dividing a document name into an index and the remainder,

wherein said searching means performs search in accordance with an item obtained from said dividing  
20 means.

25

44. The recording medium as claimed in claim

42, further having programs recorded therein, said  
programs causing the computer to further function as:

means for sorting names of the documents  
obtained from said searching means in order of index;

5 and

means for coupling the documents in order of  
the result obtained from said sorting means.

10

45. The recording medium as claimed in claim  
44, further having a program recorded therein, said  
program causing the computer to further function as:

15 means for naming the document obtained from  
said coupling means using the remainder of deletion of  
the index from a name of a section included in said  
document.

20

46. An integrating document management system  
comprising:

25 a managing part managing a plurality of

documents managed by a plurality of databases,  
respectively, each document comprising one or a  
plurality of sections; and

a part creating a name of each section of  
5 plurality of sections of a document, said name  
comprising a name of said document.

10

47. An integrating document management system  
comprising:

a managing part managing a plurality of  
documents managed by a plurality of databases,  
15 respectively, each document comprising one or a  
plurality of sections; and

a naming part naming each document obtained  
from decomposing a source document using a name of a  
section of the document obtained from decomposing the  
20 source document,

where the name of the section comprises a name  
of said source document and an index having an attribute  
of order.

25

48. An integrating document management system comprising:

a managing part managing a plurality of documents managed by a plurality of databases,  
5 respectively, each document comprising one or a plurality of sections; and  
a searching part searching for documents using a type of index,

where each document has a name comprising an  
10 index having an attribute of order.

15 49. An integrating document management method comprising the steps of:

managing a plurality of documents managed by a plurality of databases, respectively, each document comprising one or a plurality of sections; and  
20 creating a name of each section of plurality of sections of a document, said name comprising a name of said document.

50. An integrating document management method comprising the steps of:

managing a plurality of documents managed by a plurality of databases, respectively, each document

5 comprising one or a plurality of sections; and

naming each document obtained from decomposing a source document using a name of a section of the document obtained from decomposing the source document,

wherein the name of the section comprises a  
10 name of said source document and an index having an attribute of order.

15

51. An integrating document management method comprising the steps of:

managing a plurality of documents managed by a plurality of databases, respectively, each document

20 comprising one or a plurality of sections; and

searching for documents using a type of index,

wherein each document has a name comprising an index having an attribute of order.

25

52. A computer-readable recording medium  
having programs recorded therein, said programs for  
causing a computer to function as:

means for managing a plurality of documents  
5 managed by a plurality of databases, respectively, each  
document comprising one or a plurality of sections; and

means for creating a name of each section of  
plurality of sections of a document, said name  
comprising a name of said document.

10

53. A compute-readable recording medium  
15 having programs recorded therein, said programs causing  
a computer to function as:

means for managing a plurality of documents  
managed by a plurality of databases, respectively, each  
document comprising one or a plurality of sections; and

20 means for naming each document obtained from  
decomposing a source document using a name of a section  
of the document obtained from decomposing the source  
document,

wherein the name of the section comprises a  
25 name of said source document and an index having an



attribute of order.

5

54. A compute-readable recording medium  
having programs recorded therein, said programs causing  
a computer to function as:

means for managing a plurality of documents  
10 managed by a plurality of databases, respectively, each  
document comprising one or a plurality of sections; and  
means for searching for documents using a type  
of index,

wherein each document has a name comprising an  
15 index having an attribute of order.